

Patent Number(s): DE2014818-B2; DE2014818-A; FR2083596-A; **GB1337751-A**;
CA971297-A; DE2014818-B; CS7101982-A

Title: Polyethylene terephthalate prodn - continuously, using temp jump in last
esterification stage for reduced glycol consumption

Patent Assignee Name(s) and Code(s): VICKERS-ZIMMER AG PLANUNG (ZIMV-C);
TERRIER F (TERR-I)

Derwent Primary Accession Number: 1972-13268T [56]

Patents Cited by Inventor: 0

Articles Cited by Inventor: 0

Patents Cited by Examiner: 0

Citing Patents: 3

Articles Cited by Examiner: 0

Abstract:

Jump in reaction temp. and shorter stay time are used in at least last chamber of ester
exchanger stage in continuous mfr. of polyester plastics, esp. polyethylene terephthalate,
by catalytic ester exchanger of dimethyl terephthalate with excess ethylene glycol (EG),
followed by polycondensation of resultant bis-2-hydroxyethylene terephthalate. Ester
exchanger is carried out with constant stirring, mixt. being passed through level flow path
sub-divided into at least 2 chambers, with temp. rising to polycondensation temp., so
that MeOH formed distils off and EG vapour is condensed and pref. recycled to first
chamber of ester exchanger stage.

Polyester with intrinsic viscosity suitable for tyre cord mfr. is obtd.

International Patent Classification: C08G-017/01; C08G-063/22

Derwent Class: A23 (Polyamides, polyesters, polycarbonates, alkyds)

Derwent Manual Code(s): A05-E04A

Patent Details:

Patent Number	Publ. Date	Main IPC	Week	Page Count	Language
DE2014818-B2					
DE2014818-A			197209		
FR2083596-A			197209		
GB1337751-A			197347		
CA971297-A	15 Jul 1975		197531		
DE2014818-B	28 Jul 1977		197731		
CS7101982-A	30 Jun 1976		197841		

Priority Application Information and Date:

DE2014818	26 Mar 1970
-----------	-------------